

## AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method for producing a film with through-holes using a film producing apparatus comprising:

a pair of stretching rollers, having substantially smooth peripheries, which sandwich a film therebetween and stretch said film in at least one direction; and

a pair of punching rollers at least one of which has projections formed on an outer surface thereof, which sandwich said film therebetween and punch through-holes in said film; and

said stretching rollers and said punching rollers are disposed so that said film stretched by said stretching rollers is ~~are~~ fed to said punching rollers;

said method comprising:

heating and stretching said film by means of said stretching rollers having substantially smooth peripheries; and

punching through-holes in said film.

2. (Original) The method according to claim 1, wherein said film is made of shape memory resin.

3. (Currently Amended) The method according to claim 2, wherein in said heating and stretching, said film is heated to a temperature above a shape providing temperature of said shape memory resin.

4. (Original) The method according to claim 2, wherein in said punching, said film is heated to a temperature above a glass transition temperature of said shape memory resin.

5. (Currently Amended) The method according to claim 2, further comprising cooling said film below a shape providing temperature of said shape memory resin, after said heating and stretching.

6. (Currently Amended) The method according to claim 2 ~~4~~, wherein a ~~said~~ glass transition temperature of said shape memory resin is below a ~~said~~ shape providing temperature, and wherein said punching comprises:

punching through-holes in said ~~unpunched~~ shape memory resin film while heating said shape memory resin film to a temperature above a glass transition temperature but below said shape providing temperature of said shape memory resin.

7. (New) A method for producing a film with through-holes comprising:  
providing a pair of stretching rollers having substantially smooth  
peripheries which sandwich a film therebetween and stretch the film;  
providing a pair of punching rollers at least one of which has projections  
formed on an outer surface thereof, that sandwich the film therebetween and that  
punches through-holes in the film;  
heating and stretching the film with the stretching rollers; and  
punching through-holes in the heated film with the punching rollers.

8. (New) The method according to claim 7, wherein the film is made of  
shape memory resin.

9. (New) The method according to claim 8, wherein in the heating and  
stretching, the film is heated to a temperature above a shape providing temperature  
of the shape memory resin.

10. (New) The method according to claim 8, wherein in the punching, the  
film is heated to a temperature above a glass transition temperature of the shape  
memory resin.

11. (New) The method according to claim 8, further comprising cooling the film below a shape providing temperature of the shape memory resin, after the heating and stretching.

12. (New) The method according to claim 8, wherein a glass transition temperature of the shape memory resin is below a shape providing temperature, and wherein the punching comprises:

punching through-holes in the shape memory resin film while heating the shape memory resin film to a temperature above the glass transition temperature but below the shape providing temperature of the shape memory resin.